

SEQUENCE LISTING

<110> Allen, Keith D.

<120> TRANSGENIC MICE CONTAINING  
POLYCYSTIN-RELATED GENE DISRUPTIONS

<130> R-325

<150> US 60/256,201

<151> 2000-12-13

<150> US 60/250,999

<151> 2000-12-04

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2486

<212> DNA

<213> Mus musculus

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35 40 45  
Met Val Asn Pro His Met Tyr Tyr Leu Asn Lys Val Met Ser Ser Leu  
50 55 60  
Phe Val Asp Thr Ser Leu Pro Asp Asp Glu Arg Ser Ser Phe Arg Ser  
65 70 75 80  
Ile Arg Ser Ile Thr Glu Phe Trp Lys Phe Met Glu Gly Pro Leu Ile  
85 90 95  
Asp Gly Leu Tyr Trp Asp Ser Trp Tyr Gly Thr Lys Gln Leu Tyr Ser  
100 105 110  
Val Lys Asn Ser Ser Arg Ile Tyr Tyr Glu Asn Val Leu Leu Gly Ile  
115 120 125  
Pro Arg Val Arg Gln Leu Arg Val Arg Asn Asn Thr Cys Lys Val Tyr  
130 135 140  
Pro Ala Phe Gln Ser Leu Val Ser Asp Cys Tyr Ser Lys Tyr Thr Val  
145 150 155 160  
Glu Asn Glu Asp Phe Ser Asp Phe Gly Leu Lys Arg Asn Pro Glu Trp  
165 170 175  
Thr His Thr Pro Ser Ser Arg Thr Ala Pro Trp His Trp Gly Phe Val  
180 185 190  
Gly Val Tyr Arg Asp Gly Gly Tyr Ile Val Thr Leu Ser Lys Ser Lys  
195 200 205  
Ser Glu Thr Lys Ala Lys Phe Val Asp Leu Arg Leu Asn Asn Trp Ile  
210 215 220  
Ser Arg Gly Thr Arg Ala Val Phe Ile Asp Phe Ser Leu Tyr Asn Ala  
225 230 235 240  
Asn Val Asn Leu Phe Cys Ile Ile Arg Leu Leu Ala Glu Phe Pro Ala  
245 250 255  
Thr Gly Gly Leu Leu Thr Ser Trp Gln Phe Tyr Ser Val Lys Leu Leu  
260 265 270  
Arg Tyr Val Ser Tyr Tyr Asp Tyr Phe Ile Ala Ser Cys Glu Val Ile  
275 280 285  
Phe Cys Ile Phe Leu Phe Val Phe Ile Ile Gln Glu Leu Arg Lys Val  
290 295 300  
Asn Glu Phe Lys Ser Ala Tyr Phe Arg Ser Val Trp Asn Trp Leu Glu  
305 310 315 320  
Met Leu Leu Leu Leu Cys Phe Leu Ala Val Ser Phe Tyr Ala Tyr  
325 330 335  
Cys Asn Met Gln Ser Phe Leu Leu Leu Gly Gln Leu Leu Lys Asn Thr  
340 345 350  
Asp Ser Tyr Pro Asp Phe Tyr Phe Leu Ala Tyr Trp His Ile Tyr Tyr  
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Asn Asn Val Ile Ala Ile Thr Ile Phe Phe Ala Trp Ile Lys Ile Phe  
370 375 380  
Lys Phe Ile Ser Phe Asn Glu Thr Met Ser Gln Leu Ser Ser Thr Leu  
385 390 395 400  
Ser Arg Cys Met Lys Asp Ile Val Gly Phe Ala Ile Met Phe Phe Ile  
405 410 415  
Ile Phe Ser Ala Tyr Ala Gln Leu Gly Phe Leu Val Phe Gly Ser Gln  
420 425 430  
Val Asp Asp Phe Ser Thr Phe Gln Asn Ser Ile Phe Ala Gln Phe Arg  
435 440 445  
Ile Val Leu Gly Asp Phe Asn Phe Ala Gly Ile Gln Gln Ala Asn Trp  
450 455 460  
Ile Leu Gly Pro Ile Tyr Phe Ile Thr Phe Ile Phe Phe Val Phe Phe  
465 470 475 480  
Val Leu Leu Asn Met Phe Leu Ala Ile Ile Asn Asp Thr Tyr Ser Glu  
485 490 495  
Val Lys Ala Asp Tyr Ser Ile Gly Arg Arg Pro Asp Phe Glu Leu Gly  
500 505 510  
Lys Ile Ile Gln Lys Ser Cys Phe Asn Val Leu Glu Lys Leu Arg Leu  
515 520 525  
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Ala Gln Arg Ala Arg Arg Glu Gly Phe Asp Glu Ser Glu Ile Gln Glu  
545 550 555 560  
Ala Glu Gln Met Lys Arg Trp Lys Glu Arg Leu Glu Lys Lys Tyr Tyr  
565 570 575  
Ser Thr Glu Ile Gln Asp Asp Tyr Gln Pro Val Thr Gln Gln Glu Phe  
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